## Impedance

### IMPEDANCE TABLE OF SIC 2240

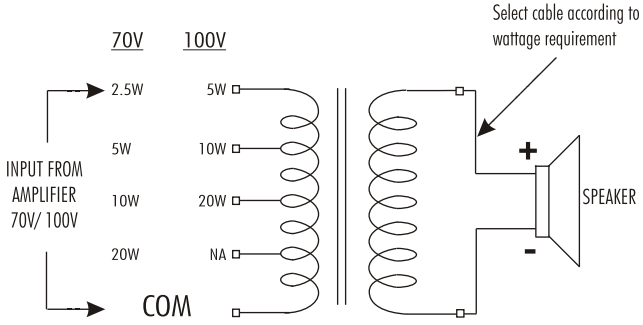
| WATT | 100 V | 70V |
|---|---|---|
| 20 W | 500 Ohm | 245 Ohm |
| 10 W | 1 kOhm | 490 Ohm |
| 5 W | 2 kOhm | 980 Ohm |
| 2.5 W | NA | 1.96 kOhm |

### IMPEDANCE TABLE OF SIC 2260

| WATT | 100 V | 70V |
|---|---|---|
| 30 W | 333.33 Ohm | 163.33 Ohm |
| 15 W | 666.66 Ohm | 326.66 Ohm |
| 7.5 W | 1.33 kOhm | 653.33 Ohm |
| 3.75 W | NA | 1.3 kOhm |

NOTE: The combined impedance of the system should not fall below the above specified IMPEDANCE rating

## Schematic




## Specifications

| | SIC 2240 | SIC 2260 |
|---|---|---|
| DESCRIPTION | 2 way in-ceiling speaker with back can | 2 way in-ceiling speaker with back can |
| TRANSDUCER | 1 x 4" coaxial | 1 x 6" coaxial |
| FREQUENCY RANGE (-10 dB) | 90 Hz ~ 20 kHz | 70 Hz ~ 20 kHz |
| FREQUENCY RESPONSE (-3 dB) | 110 Hz ~ 18 kHz | 85 Hz-18KHZ |
| SPL (1W/1M) | 87 dB | 88 dB |
| SPL AT RATED POWER 20 W | 97 dB | 98 dB |
| NOMINAL IMPEDANCE | 8 Ohm | 8 Ohm |
| POWER HANDLING direct mode | 20 W | 30 W |
| POWER TAP 70V | 2.5,5,10,20 W | 3.75,7.5,15,30 W |
| POWER TAP 100V | 5, 10, 20, NA W | 7.5,15,30, NA W |
| OUTER DIAMETER | 171 mm | 240 mm |
| CUT-OUT DIAMETER | 143 mm | 208 mm |
| COLOUR | White | White |
| GROSS WEIGHT | 1 kg | 2.2 kg |

*Due to continuous improvements, all specifications are subject to change*

SONODYNE®

A product of the Mukherjee Innovation Centre

Manufactured by Sonodyne Electronics Co Pvt Ltd, 98 NB Block E New Alipore, Kolkata 700053, INDIA
1-800-123-37-36, response@sonodyne.com
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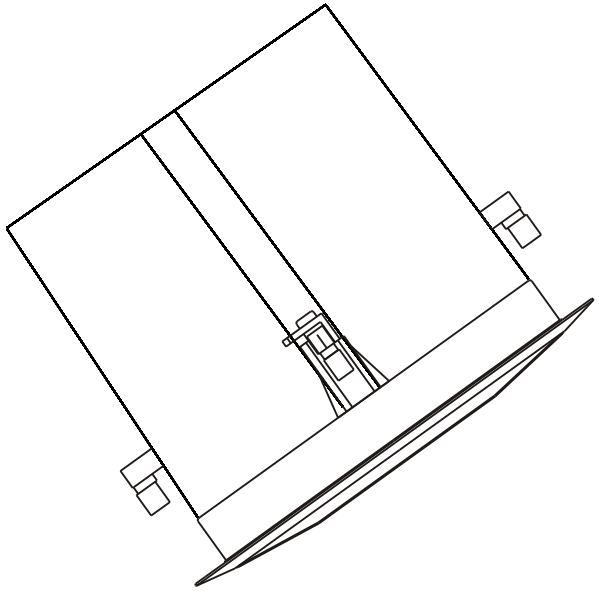
CELEBRATING 45 YEARS OF AUDIO INNOVATION

# SIC 2240/2260

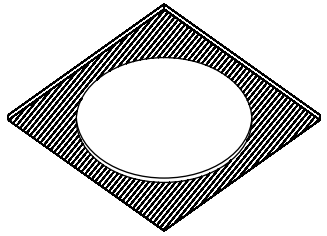
in-ceiling monitors | owners manual



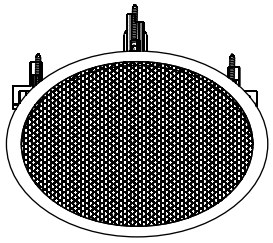
SONODYNE® INSTALLED SERIES

## Mounting Details

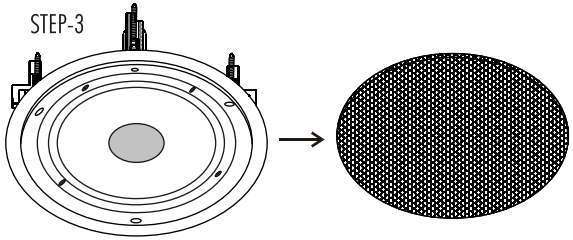
STEP-1



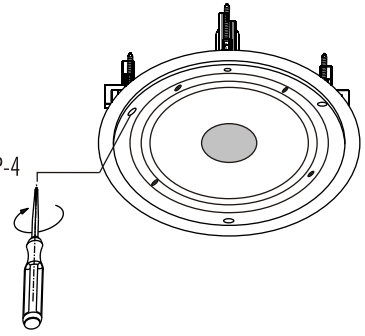
STEP-2



STEP-3

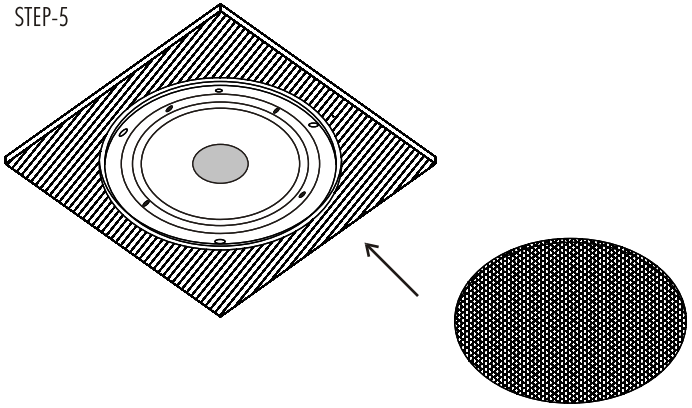


STEP-4



## Mounting Instructions

STEP-5



Follow the steps given below for mounting the SIC series ceiling speakers:

STEP 1. Make a cut-out in the ceiling or the surface where the SIC series ceiling speaker is to be installed, as per Fig1. Make sure there is enough room for the height inside the false ceiling.

STEP 2. Make the necessary connections to the SIC series(Refer to Fig-2)

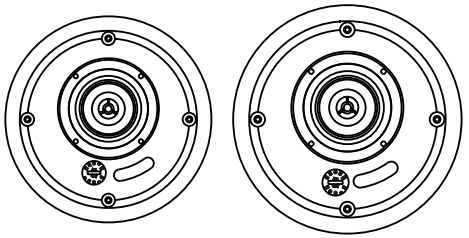
STEP 3. Remove the grill of the speaker with the help of the grill opener provided.

STEP 4. Holding the speaker with the magnet facing upward (make sure you do not touch the drive unit) slide it through the ceiling cut-out so that the plastic frame comes to rest against the ceiling. Now tighten the 4 adjusting screws one by one. (Tightening the screws will pull the dog-ears towards the ceiling till it makes firm contact. While sliding the speaker through the cut-out, make sure the dog-ears are not projecting outwards)

Warning: Do not over-tghten the screws. Care must be taken while tightening so that the drive unit does not get damaged.

STEP 5. Fit the grill back in to the speaker

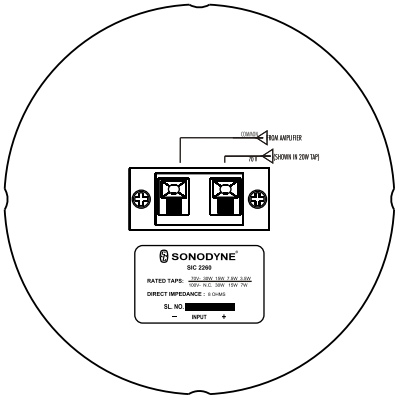
## Cut-Out & Connections



SIC 2240 SIC 2260

| MODEL | CEILING CUT OUT (DIA) | MAX HEIGHT | OVERALL DIA mm |
|---|---|---|---|
| SIC 2240 | 143.0 mm | 115.0 mm | 171.0 |
| SIC 2260 | 208.0 mm | 86.0 mm | 240.0 |

Fig. 1




There is a push type terminal at the rear. Connect the wires from 70V terminal of amplifier to - and + terminals. Please take care to observe correct polarity. Please note that if you connect to the 100V terminal of the amplifier, you will get double the wattage as shown on the rotary switch marking. However, you cannot connect the 100V line to the highest tap as this will exceed the maximum wattage of the transformer.